



ecology and environment, inc.

FAIRWAY WEST OFFICE BLDG., 4350 JOHNSON DRIVE, SHAWNEE MISSION, KANSAS 66205, TEL. 913-432-9961

International Specialists in the Environmental Sciences

TO: Paul Doherty, ARPO
 FROM: Kenna Roberson, E&E/FIT *Kne*
 THRU: Jim Buchanan, RPM
 DATE: September 10, 1984
 SUBJECT: Preliminary Assessment of the
 Westinghouse Electric Company,
 Overland Park, Kansas
 TDD# R-07-8407-33

Site: <u>Westinghouse Electric</u>
ID # <u>KS210010609</u>
Break: <u>1.5</u>
Other: <u>9-10-84</u>

The Ecology and Environment, Inc., Field Investigation Team (E&E/FIT) was tasked on August 1, 1984 to perform a preliminary assessment of the Westinghouse Electric Company, Overland Park, Kansas. It is listed as a potential hazardous waste site (EPA ID# KS210010609) by the Region VII office of the U.S. Environmental Protection Agency (EPA). The site was identified under Section 3010 of the Resource Conservation and Recovery Act (RCRA) in March, 1981. E&E discovered, after much of the work for this PA TDD# R-07-8407-33 had been completed, that the Missouri Department of Natural Resources (MDNR) had previously finished their own PA of the site. MDNR's report is included in the Appendix.

The Westinghouse Electric Company of Overland Park, Kansas, is a field service facility which provides support to industrial and utility companies. St. Joseph Light and Power, and Sears Roebuck and Company, are two of many companies who contract with Westinghouse. This electric company's services include: repairing existing and installing new transformers, capacitors, generator cores, etc., at the clients' facility. In particular, transformers with polychlorinated biphenyls (PCB's) are replaced with newer silicone - dry cell non-toxic transformers. Also as part of their services, Westinghouse subcontracts one of the following companys: Energy Systems Company (ENSCO), SCA Services, Inc., or Rollin's Environmental Services, Inc., to transport and dispose of all PCB contaminated transformer oil.

Westinghouse Corporation has an electrical equipment repair shop at 4140 Front Street, Kansas City, Missouri. This shop services high voltage transformers, wound motors, and armatures. MDNR states that records indicate the facility has not been utilized for treatment or disposal of hazardous wastes at any time in its history.

However, PCB contaminated transformer oil has been removed from equipment before service at the site. This action was infrequent and storage onsite was temporary, pending transposition to an oil recovery facility. No storage or handling of PCB contaminated oil has been documented after 1980. Westinghouse chose not to handle any contaminated waste oils after 1980, due to the heightened regulatory actions by governmental agencies. Presently transformers sent to the plant are either emptied at the contracting facility prior to shipping, or are kept onsite without removing the oil.

The Westinghouse Electric Corporation submitted "Notification of Hazardous Waste Activity" forms for their service plants within EPA Region VII as a precautionary compliance to the Resource Conservation and Recovery Act (RCRA) under the small quantity generator exclusion. They applied for an EPA identification number because their experience showed that transporters refused to haul waste from their plants without this number. Although, MDNR states that there is evidence which indicates minor incidental contamination of soil along the site's boundaries, this site does not appear to pose an immediate threat to the local surroundings. However, due to the persistence of PCB's in the environment, E&E supports MDNR's recommendation of soil borings to establish the presence, if any, of contamination in the stained soil areas. This sampling should be carried out on a low priority basis.

KR/lh

HAZARDOUS WASTE SITE INVESTIGATION

PRELIMINARY ASSESSMENT

JACKSON COUNTY, MISSOURI

July 31, 1984

FACILITY

Westinghouse Electric Corporation
Apparatus Service Division
4140 Front Street
Kansas City, Missouri 64120

INVESTIGATOR:

Steve A. Johnson
Environmental Specialist
Waste Management Section
Missouri Department of Natural Resources

DATE INVESTIGATION INITIATED:

July 16, 1984

DATE INVESTIGATION COMPLETED:

July 31, 1984

BACKGROUND OF THE INVESTIGATION:

This site was apparently designated for investigation as a result of the deletion from the Environmental Protection Agency's RCRA facility listing subsequent to evaluation of the Notice of Hazardous Waste Activity filed in 1984. No CERCLA 103 forms were on file at either EPA Regional Office or the Missouri Department of Natural Resources Regional Office.

This facility serves as an electrical apparatus repair shop for many types and brands of equipment. Devices serviced include high voltage transformers, wound motors and generator armatures. This facility has been in operation since March 1958 and employs an hourly work force of 35 people. The structure has recently undergone addition but has remained virtually unaltered since opening. No known instances of spills or other incidents at this location are on record. The property is described as approximately two (2) acres in the E $\frac{1}{2}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ of Section 27, T50N, R32W, Jackson County, Missouri.

PERSONS INTERVIEWED:

Mr. Gene Dysart
Plant Manager
Westinghouse Electric
Apparatus Service Division
4140 Front Street
Kansas City, Missouri
(816) 241-5544

Mr. Vernon McGuire
Customer Service Supervisor
Westinghouse Electric
Apparatus Service Division
4140 Front Street
Kansas City, Missouri
(816) 241-5544

HAZARDOUS WASTE SITE INVESTIGATION
3.600 Jackson County
Westinghouse Electric Corporation

July 31, 1984
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PERSONS INTERVIEWED: (Cont.)

Mr. Larry Rudolph
Supervisor of Safety & Accident Prevention
Westinghouse Corporation
General Headquarters
Greentree, Pennsylvania
(412) 937-6936

Anonymous Witness (7/26/84)

BRIEF SUMMARY OF INFORMATION OBTAINED:

Available data and records indicate that this facility has not been utilized for treatment or disposal of hazardous wastes at any time in its history. However, some areas on the property have been used for temporary storage of drums containing commercial cleaning solvents (product) and, on occasion, transformer oils containing variable amounts of Polychlorinated Biphenyls (PCB's). According to witnesses and available records, no incidents involving spills or accidental discharges of hazardous materials have been noted at this plant. Sporadic uses of herbicides to control weed growth around the site perimeter was acknowledged. No prior site evaluation or sample analysis is known to have been performed on the property.

DETAILED ACCOUNT OF INVESTIGATION:

Apparently the sole source of hazardous waste generated at this plant was the PCB contaminated transformer oil extracted from the apparatus prior to service. Generation of this waste was known to be infrequent and storage was temporary pending disposition to a designated oil recovery facility. No process related generation or storage of PCB contaminated oil has been documented since 1980. It was stated that more than 95% of the transformers shipped to this plant are either emptied prior to shipping or are held on the site without removing the oil. Due to current PCB regulations under the Toxic Substances Control Act, the responsibility for retrofit and disposal of PCB oils lies with the owner of the apparatus.

One instance was noted in which approximately 4,000 gallons of transformer oil containing less than 50 ppm PCB's was shipped off-site to Alabama. The oil was being used to refill transformer cooling cores and, though it contained less than the regulated 50 ppm, as a protective measure the Company elected to eliminate it from inventory. Reportedly some oil was stored in paper-covered 55-gallon drums adjacent to the rail spur prior to shipment. No visible evidence of contamination was noted.

Industrial solvents including Stoddard solvent, mineral spirits and xylene are, and have been, used in cleaning agents and compound thinners for polyester resins. The resin is held in a dip tank and is used to seal and preserve electrical components. Solvent thinner is added as needed with no waste generation. As is the case with other solvents used, incidental evaporation precludes accumulation and handling of wastes from these processes.

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Some contamination of wipedown cloths and wash water from the cleaning area is assumed. Rinse water flows to a municipal sewer inlet and used cleaning material is disposed of as a non-hazardous solid waste. Evaporation of volatile compounds would probably minimize concerns in this area. Excessive evaporation of volatiles from the dip tank is controlled through usage of a flotation barrier.

At the time of the site overview inspection there were some empty barrels being stored on the east edge of the facility in an open yard with an asphalt surface. There was some indication of vegetative stress and soil staining along the fence adjacent to this area but the effected area was small. According to testimony, this area has been used for storage of empty drums since the plant was developed. No wastes bearing hazardous characteristics were noted in or around the building.

The plant sits on the Missouri River Floodplain which holds a composite of sand, sandy loam and alluvial residuum in the upper 10-15 feet of the soil profile. Shallow aquifiers charged by the Missouri River have been identified throughout the length of the floodplain with piezometric surfaces ranging from 15-40 feet. Relative groundwater saturation and river levels are primary factors in determining hydraulic gradient. Generally, permabilities in the upper layers of the soil profile are said to be moderate. Industrial and municipal wells are found frequently downstream from the site and extract from this shallow aquifier.

CONCLUSIONS AND RECOMMENDATIONS:

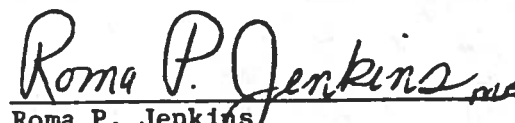
Though there exists some evidence that would indicate minor incidental contamination of soil along the site periphery, this site does not appear to pose a significant threat with respect to local contamination or migration off-site. The observed lack of significant levels of hazardous material storage and/or handling activities (past and present) would seem to indicate that this site warrants little to no priority.

It is recommended that random soil borings to a depth of five (5) feet be performed at the perimeter of the asphalted areas to either confirm or refute the existence of surface contaminants. Continued restricted discharge of wash solvents is also warranted. Contingent upon verification of findings in this report it is recommended that the service facility operated at 4140 Front Street be deleted from the ERRIS list.

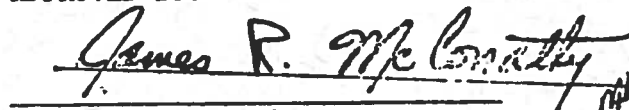
REPORT BY:

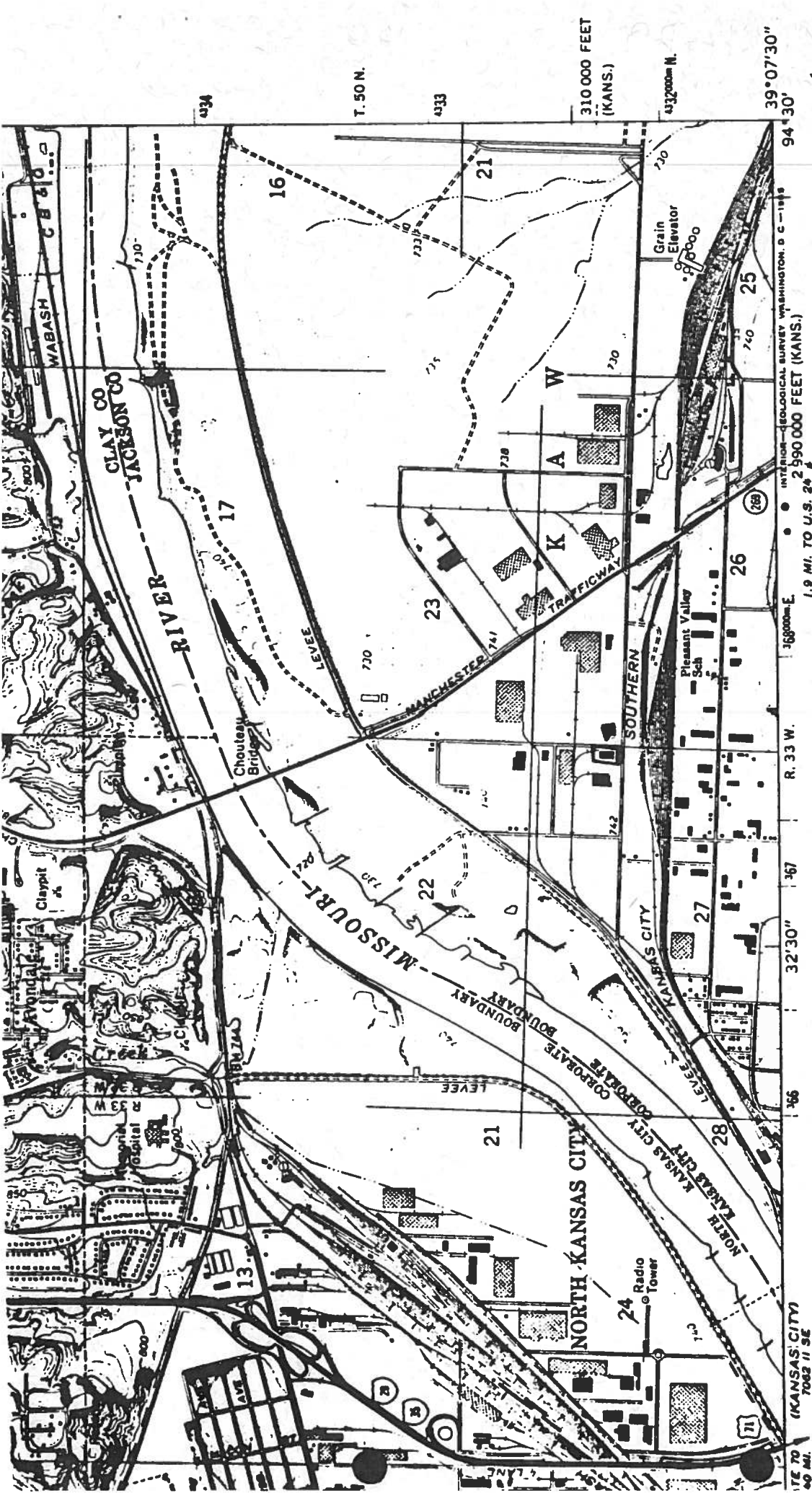

Steve A. Johnson
Environmental Specialist

APPROVED BY:


Roma P. Jenkins
Environmental Engineer

APPROVED BY:

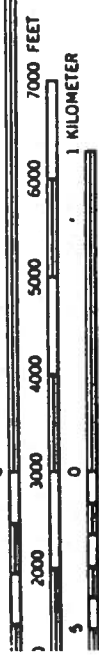

James R. McConathy
Regional Administrator



ROAD CLASSIFICATION

- Heavy-duty ————— Light-duty —————
- Medium-duty ————— Unimproved dirt —————
- Interstate Route □ U.S. Route ○ State Route

1 MILE



CONTOUR INTERVAL 10 FEET
THICK LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL



QUADRANGLE LOCATION

NORTH KANSAS CITY, MO.—KANS.

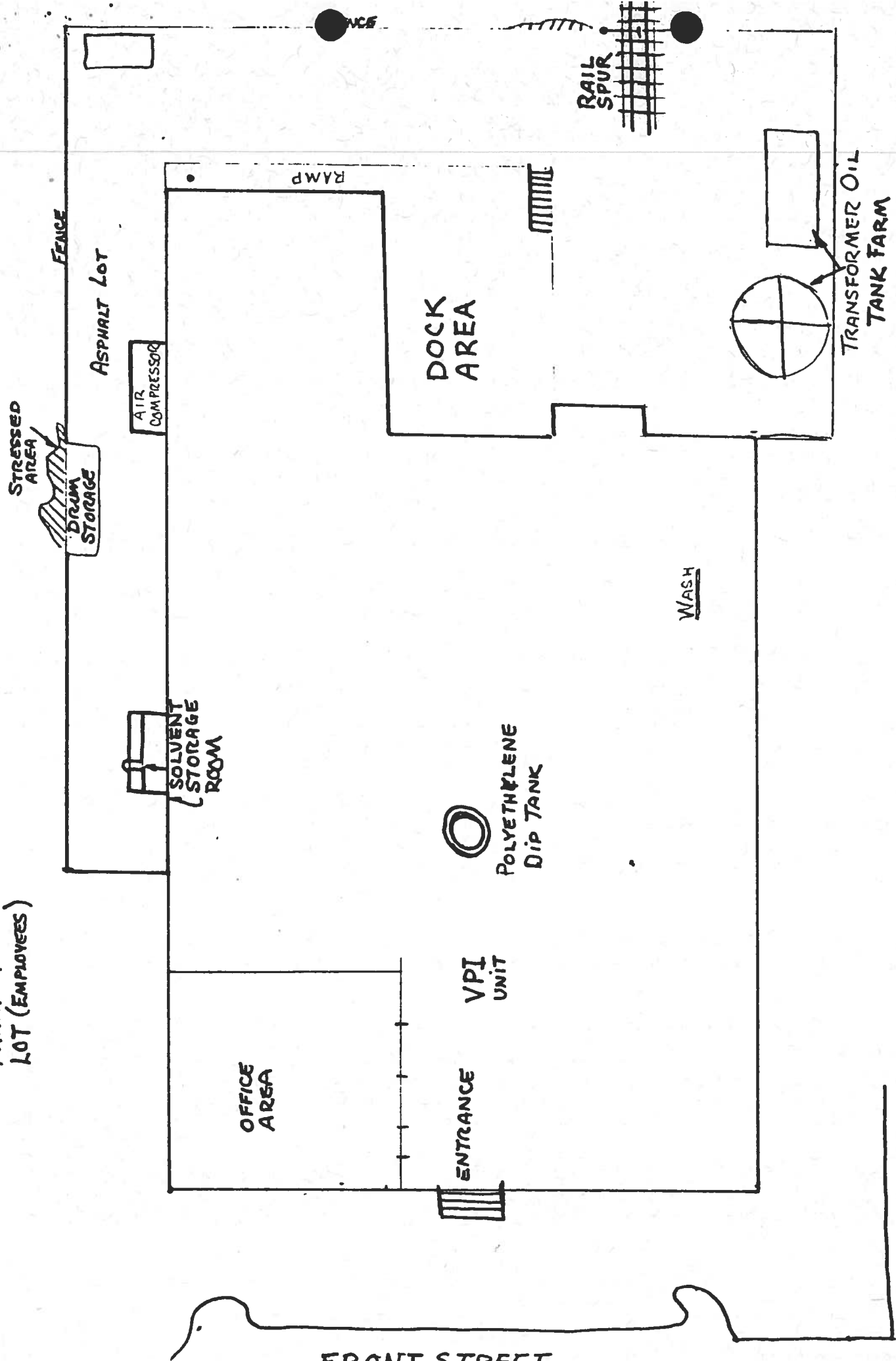
N3907.5 — W9430/7.5

PLIES WITH NATIONAL MAP ACCURACY STANDARDS
SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242,
GEOLOGICAL SURVEY, ROLLA, MISSOURI,
GEOLOGICAL SURVEY, LAWRENCE, KANSAS
TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1964

AMS 7082 II NE—SERIES V879

PARKING LOT (EMPLOYEES)



JACKSON ST

N
SERVICE DIVISION

EDGEMOOR STREET



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MO 089

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

WESTINGHOUSE Elec. - Service Division

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

4140 FRONT STREET

03 CITY

KANSAS CITY

04 STATE

05 ZIP CODE

06 COUNTY

MO

64120

JACKSON

07 COUNTY CODE

08 CONG DIST

089

09 COORDINATES

LATITUDE

LONGITUDE

44 32 00.5

-99 07 31.1

E 1/2 NE 1/4 NE 1/4 Sec 27 T50N, R32W

10 DIRECTIONS TO SITE (Starting from nearest public road)

I 70 TO NORTH 269 (MANCHESTER/CHOUTEAU FWY); NORTH TO FRONT STREET THEN TURN WEST ON FRONT ST; SITE IS @ 1/4 mi WEST AT CROSS STREET JACKSON ON NORTH SIDE OF STREET.

III. RESPONSIBLE PARTIES

01 OWNER (if known)

WESTINGHOUSE ELECTRIC CORPORATION

02 STREET (Business, mailing, residential)

4140 FRONT STREET

03 CITY

KANSAS CITY

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

MO

64120

1816 241-5544

07 OPERATOR (if known and different from owner)

SAME

08 STREET (Business, mailing, residential)

08 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 3, 4, 84

MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103) DATE RECEIVED: 1, 1, 84

MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

8 / 1 / 84

BY (Check all that apply)

☒ YES

DATE

7, 30, 84

☐ NO

☐ A. EPA

☐ B. EPA CONTRACTOR

☒ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE

☐ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1958

1 ACTIVE

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

TRANSFORMER COOLANT OILS CONTAINING POLYCHLORINATED BIPHENYLS

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

MINOR INCIDENTAL SURFACE CONTAMINATION @ PERIPHERY OF LOT WITH LOCAL USE- STRESS;

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Institutions)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☒ C. LOW

(Inspection on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

LARRY RUDOLPH

02 OF (Agency/Organization)

WESTINGHOUSE ELECTRIC CORP.

03 TELEPHONE NUMBER

1412 937-6936

04 PERSON RESPONSIBLE FOR ASSESSMENT

STEVE A-JOHNSON

05 AGENCY

MDNR

06 ORGANIZATION

KCRO

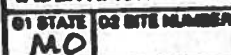
07 TELEPHONE NUMBER

1816 274-6675

08 DATE

7, 30, 84

MONTH DAY YEAR



FD-302 (Rev. 7-16-63)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE MD 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: NA

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: (shown)

02 ☐ OBSERVED (DATE: 8/1/84)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

VISIBLE STAINING AND STERILIZATION OF SOIL IN IMMEDIATE AREA OF USED
DRUM STORAGE AND NEAR GATE OF RAIL SPUR; DRY CONDITIONS AND SANDY SOILS
CONTRIBUTE TO STRESSED AREAS.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☐ OBSERVED (DATE: _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MO

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 8/1/84) ☐ POTENTIAL ☐ ALLEGED

LOCALIZED STRESS NOTED ON GRASSES SURROUNDING EMPTY DRUM STORAGE AREA; AFFECTED ZONE HOLDS @ 1 1/2 YDS OF MATERIAL; SOME DRIED WEEDS NOTED FROM ROUTINE HERBICIDE APPLICATION AROUND FENCE.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

N/A

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/leaking liquid/leaking drums)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

UNDETERMINED LEVEL OF CONTAMINANT DISCHARGE FROM EQUIPMENT WASH AREA IN PLANT; DRAIN CONNECTED TO M&C WWTP LINE IN FRONT OF BUILDING; INCIDENTAL DISCHARGE IS ESTIMATED TO BE MINIMAL

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: N/A

IV. COMMENTS

THIS SITE HAS BEEN UTILIZED FOR TEMPORARY STORAGE OF SOLVENT CONTAINERS AND OCCASIONAL SHIPMENTS OF PCB & PCB-CONTAMINATED OILS; NO SPILLS OR MAJOR LEAKS HAVE BEEN RECORDED; NO OVERT SIGNS OF SIGNIFICANT PRESENCE OR MIGRATION OF HAZARDOUS MATERIAL FROM THE SITE; MINOR STRESSED AREAS IMMEDIATELY ADJACENT TO DRUM STORAGE AREA

V. SOURCES OF INFORMATION (also specific references, e.g., state files, sample analysis, reports)

STATE MONR & EPA FILES
USGS REPORT & GEO MAPS
ONSITE INSPECTION 7/30 & 8/1/84
ANONYMOUS WITNESS 7/26/84

WESTINGHOUSE Maint Personnel - GENE DYSAET; BRANCH MGR
VERNON MCGUIRE; CUSTOMER SERVICE
LARRY RUDOLPH; SUP.
CORP. SUPV -
SAFETY & ACCIDENT
PREVENTION

